

New Hampshire Department of Health and Human Services Division of Public Health Services Therapeutic Cannabis Program 2019 Data Report

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Introduction

Pursuant to RSA 126-X:10, the Commissioner of the Department of Health and Human Services shall report annually on the Therapeutic Cannabis Program established under RSA 126-X. The report shall be made to the NH Health and Human Services Oversight Committee established under RSA 126-A:13, the NH Board of Medicine, and the NH Board of Nursing.

The report shall allow for identification of patterns of certification by qualifying patient and designated caregiver, location, age, medical condition, symptom or side effect, and medical provider, and for analysis and research to inform future policy, educational, and clinical decisions.

Therapeutic Cannabis Program (TCP) Registry Data

The data presented in this section reflects data in the Therapeutic Cannabis Program Registry Database as of June 30, 2019. In order to protect the confidentiality of patients and caregivers, where fewer than five individuals are affected with regard to city or town the number of individuals has not been published.

Alternative Treatment Center (ATC) Annual Report Summary

The data presented in this section is a summary of the ATC Annual Reports submitted to the Department pursuant to He-C 402.10(q), showing data from July 1, 2018 to June 30, 2019.

Qualifying Patient Satisfaction Survey Results

The data presented in this section reflects data gathered from qualifying patients between mid-July and mid-September 2019.

Alternative Treatment Center Expansion

The reports in this section support the Therapeutic Cannabis Program's patient needs assessment required by NH Senate Bill 335 (Laws of 2019) for the approval of second dispensary locations to be operated by Temescal Wellness, the licensed ATC serving qualifying patients in NH TCP Region 1 (Belknap, Rockingham, and Strafford counties), and Prime ATC, the licensed ATC serving qualifying patients in NH TCP Region 2 (Hillsborough and Merrimack counties). Temescal Wellness currently operates its regional ATC in Dover, and Prime ATC currently operates its regional ATC in Merrimack. All results in this analysis are relative to registered TCP patients as of June 30, 2019.

Therapeutic Cannabis Program Web Page: http://www.dhhs.nh.gov/oos/tcp/index.htm

Therapeutic Cannabis Program Registry Data

Qualifying Patients

;	# of Patients
Active Qualifying Patients	8302
Minor Patients	15
Patients with a Designated Caregi	ver 503

Qualifying Patients by Alternative Treatment Center

ATC Name	# of Patients
Prime ATC - Merrimack	3238
Sanctuary ATC - Plymouth	2113
Temescal Wellness - Dover	1942
Temescal Wellness - Lebanon	1009
	TOTAL 8302

Qualifying Patients by County

County	# of Patients	County	# of Patients
Belknap	621	Hillsborough	2022
Carroll	538	Merrimack	1032
Cheshire	480	Rockingham	1517
Coos	326	Strafford	803
Grafton	595	Sullivan	368
			TOTAL 8302

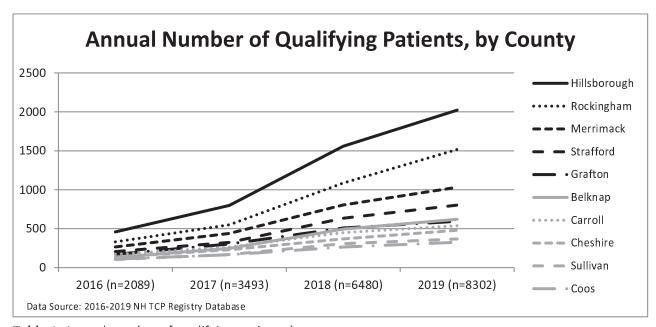


Table 1. Annual number of qualifying patients by county.

Qualifying Patients by City/Town

City/Town	# of Patients	City/Town	# of Patients
ACWORTH	<5	COLUMBIA	<5
ALBANY	8	CONCORD	272
ALEXANDRIA	16	CONWAY	170
ALLENSTOWN	35	CORNISH	15
ALSTEAD	19	CROYDON	<5
ALTON	49	DALTON	5
AMHERST	74	DANBURY	11
ANDOVER	29	DANVILLE	20
ANTRIM	27	DEERFIELD	30
ASHLAND	24	DEERING	8
ATKINSON	25	DERRY	226
AUBURN	28	DORCHESTER	<5
BARNSTEAD	25	DOVER	184
BARRINGTON	64	DUBLIN	8
BARTLETT	30	DUMMER	<5
BATH	8	DUNBARTON	15
BEDFORD	98	DURHAM	34
BELMONT	71	EAST KINGSTON	9
BENNINGTON	9	EATON	10
BENTON	<5	EFFINGHAM	10
BERLIN	128	ENFIELD	46
BETHLEHEM	16	EPPING	29
BOSCAWEN	21	EPSOM	26
BOW	46	ERROL	<5
BRADFORD	16	EXETER	64
BRENTWOOD	20	FARMINGTON	56
BRIDGEWATER	5	FITZWILLIAM	21
BRISTOL	40	FRANCESTOWN	5
BROOKFIELD	5	FRANCONIA	5
BROOKLINE	17	FRANKLIN	102
CAMPTON	37	FREEDOM	19
CANAAN	32	FREMONT	23
CANDIA	38	GILFORD	82
CANTERBURY	14	GILMANTON	29
CARROLL	10	GILSUM	5
CENTER HARBOR	24	GOFFSTOWN	63
CHARLESTOWN	53	GORHAM	22
CHATHAM	<5	GOSHEN	10
CHESTER	31	GRAFTON	10
CHESTERFIELD	22	GRANTHAM	21
CHICHESTER	13	GREENFIELD	11
CLAREMONT	118	GREENLAND	7
CLARKSVILLE	<5	GREENVILLE	11
COLEBROOK	20	GROTON	<5

Patients by City/Town (cont.)

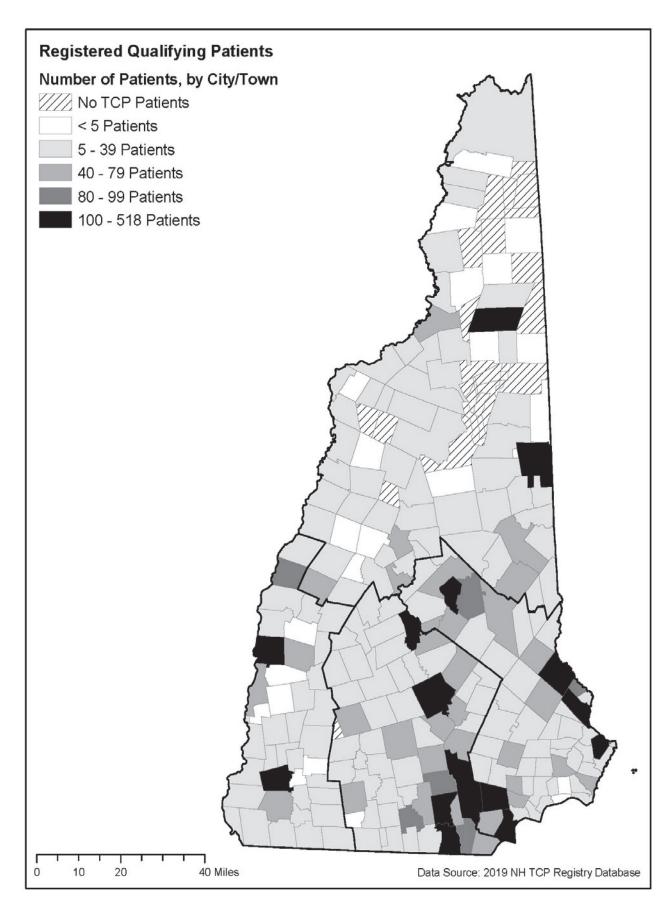
HALES LOCATION	City/Town	# of Patients	City/Town	# of Patients
HAMPTON 71 MIDDLETON 15 HAMPTON FALLS 9 MILAN 18 HANCOCK 15 MILFORD 94 HANOVER 34 MILTON 30 HARRISVILLE 10 MONTOE 5 HAVERHILL 26 MONT VERNON 15 HEBRON 7 MOULTONBOROUGH 37 HENNIKER 29 NASHUA 408 HILL 9 NELSON <5 HILLSBOROUGH 51 NEW BOSTON 35 HILLSBOROUGH 51 NEW BOSTON 35 HILLSBOROUGH 51 NEW BOSTON 35 HINSDALE 22 NEW CASTLE 7 HOLDERNESS 10 NEW DURHAM 28 HOLLIS 36 NEW HAMPTON 26 HODKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY	HALES LOCATION	<5	MEREDITH	76
HAMPTON FALLS 9 MILAN 18 HANCOCK 15 MILFORD 94 HANOVER 34 MILTON 30 HARRISVILLE 10 MONROE 5 HAVERHILL 26 MONT VERNON 15 HEBRON 7 MOULTONBOROUGH 37 HEBRON 7 MOSHUA 408 HILL 9 NELSON <5	HAMPSTEAD	48	MERRIMACK	165
HANCOCK 15 MILFORD 94 HANOVER 34 MILTON 30 HARRISVILLE 10 MONROE 5 HAVERHILL 26 MONT VERNON 15 HEBRON 7 MOULTONBOROUGH 37 HENNIKER 29 NASHUA 408 HILL 9 NELSON <5	HAMPTON	71	MIDDLETON	15
HARNOVER 34 MILTON 30 HARRISVILLE 10 MONROE 5 HAVERHILL 26 MONT VERNON 15 HEBRON 7 MOULTONBOROUGH 37 HENNIKER 29 NASHUA 408 HILL 9 NELSON <5	HAMPTON FALLS	9	MILAN	18
HARRISVILLE 10 MONROE 5 HAVERHILL 26 MONT VERNON 15 HEBRON 7 MOULTONBOROUGH 37 HENNIKER 29 NASHUA 408 HILL 9 NELSON <5	HANCOCK	15	MILFORD	94
HAVERHILL 26 MONT VERNON 15 HEBRON 7 MOULTONBOROUGH 37 HENNIKER 29 NASHUA 408 HILL 9 NELSON <5 HILLSBOROUGH 51 NEW BOSTON 35 HINSDALE 22 NEW CASTLE 7 HOLDERNESS 10 NEW DURHAM 28 HOLLIS 36 NEW HAMPTON 26 HOOKSETT 77 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWBURY 21 JAFFREY 39 NEWBURY 21 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KEESINGTON 45 NEWTON 13 KINGSTON 29 NORTH HAMPTON 27 LACONIA	HANOVER	34	MILTON	30
HEBRON 7 MOULTONBOROUGH 37 HENNIKER 29 NASHUA 408 HILL 9 NELSON <5 HILLSBOROUGH 51 NEW BOSTON 35 HINDALE 22 NEW CASTLE 7 HOLDERNESS 10 NEW DURHAM 28 HOLLIS 36 NEW HAMPTON 26 HOPKINTON 28 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON 45 NEWTON 13 KINGSTON 29 NORTHHAMPTON 27 LACONIA 173 NORTHHUMPTON 27 LACONIA 173 NORTHHUMPTON 32 LEBANON	HARRISVILLE	10	MONROE	5
HENNIKER 29 NASHUA 408 HILL 9 NELSON <5 HILLSBOROUGH 51 NEW BOSTON 35 HINSDALE 22 NEW BOSTON 35 HINDSDALE 22 NEW BOSTON 35 HOLLIS 36 NEW DURHAM 28 HOLLIS 36 NEW HAMPTON 26 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEW BURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON <5 NEWTON 13 KINGSTON <5 NEWTON 13 KINGSTON <5 NEWTON 13 KINGSTON <5 NORTHHUMBERLAND 16 LACONIA 173 NORTHUMBERLAND 16 LANCASTER	HAVERHILL	26	MONT VERNON	15
HILL 9 NELSON <5 HILLSBOROUGH 51 NEW BOSTON 35 HINSDALE 22 NEW CASTLE 7 HOLDERNESS 10 NEW DURHAM 28 HOLLIS 36 NEW HORMAM 26 HOOKSETT 77 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEW BURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON <5 NEWTON 13 KINGSTON <5 NEWTON 13 KINGSTON <29 NORTH HAMPTON 27 LACONIA 173 NORTHHOTO 47 LANCASTER 43 NORTHWIDERLAND 16 LANGDON <5 NORTHWIDERLAND 16 LANC	HEBRON	7	MOULTONBOROUGH	37
HILLSBOROUGH 51 NEW BOSTON 35 HINSDALE 22 NEW CASTLE 7 HOLDERNESS 10 NEW DURHAM 28 HOLLIS 36 NEW HAMPTON 26 HOOKSETT 77 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JAFFREY 39 NEWPORT 60 KEENE 130 NEWPORT 60 KENSINGTON <5	HENNIKER	29	NASHUA	408
HINSDALE 22 NEW CASTLE 7 HOLDERNESS 10 NEW DURHAM 28 HOLLIS 36 NEW HAMPTON 26 HOCKSETT 77 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWFORT 60 KENSINGTON <5 NEWTON 13 KINGSTON 29 NORTH HAMPTON 27 LACONIA 173 NORTHHELD 47 LANCASTER 43 NORTHUMBERLAND 16 LANGDON <5 NORTHWOOD 32 LEBANON 81 NOTTINGHAM 29 LEE 29 ORANGE <5 LEMPSTER 13 ORFORD 7 LINCOLN	HILL	9	NELSON	<5
HOLDERNESS 10 NEW DURHAM 28 HOLLIS 36 NEW HAMPTON 26 HOCKSETT 77 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWFORT 60 KENSINGTON 45 NEWTON 13 KINGSTON 29 NORTH HAMPTON 27 LACONIA 173 NORTHHELD 47 LANCASTER 43 NORTHHELD 47 LANGASTER 43 NORTHWOOD 32 LEBANON 81 NOTTINGHAM 29 LEE 29 ORANGE <5 LEMPSTER 13 ORFORD 7 LINCOLN 18 OSSIPEE 43 LISBON <t< td=""><td>HILLSBOROUGH</td><td>51</td><td>NEW BOSTON</td><td>35</td></t<>	HILLSBOROUGH	51	NEW BOSTON	35
HOLLIS 36 NEW HAMPTON 26 HOOKSETT 77 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JAFFREY 39 NEWINGTON 5 KEENE 130 NEWPORT 60 KENSINGTON 45 NEWTON 13 KINGSTON 29 NORTH HAMPTON 27 LACONIA 173 NORTH HAMPTON 27 LANCASTER 43 NORTH HUMBERLAND 16 LANGASTER 43 NORTHWOOD 32 LEBANON 81 NOTTINGHAM 29 LEE 29 ORANGE <5	HINSDALE	22	NEW CASTLE	7
HOOKSETT 77 NEW IPSWICH 16 HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON <5	HOLDERNESS	10	NEW DURHAM	28
HOPKINTON 28 NEW LONDON 35 HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFREY 39 NEWINGTON 5 JEFFERSON 6 NEWPORT 36 KEENE 130 NEWPORT 60 KENSINGTON <5	HOLLIS	36	NEW HAMPTON	26
HUDSON 95 NEWBURY 21 JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON <5	HOOKSETT	77	NEW IPSWICH	16
JACKSON 11 NEWFIELDS 5 JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON <5	HOPKINTON	28	NEW LONDON	35
JAFFREY 39 NEWINGTON 5 JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON <5	HUDSON	95	NEWBURY	21
JEFFERSON 6 NEWMARKET 36 KEENE 130 NEWPORT 60 KENSINGTON <5 NEWTON 13 KINGSTON 29 NORTH HAMPTON 27 LACONIA 173 NORTHFIELD 47 LANCASTER 43 NORTHUMBERLAND 16 LANGDON <5 NORTHWOOD 32 LEBANON 81 NOTTINGHAM 29 LEE 29 ORANGE <5 LEMPSTER 13 ORFORD 7 LINCOLN 18 OSSIPEE 43 LISBON 8 PELHAM 43 LITCHFIELD 46 PEMBROKE 49 LITTLETON 24 PETERBOROUGH 50 LONDONDERRY 143 PIERMONT 7 LOUDON 42 PITTSBURG 7 LYMMA <5 PITTSFIELD 28 LYME 10 PLAINFIELD 16 LYNDEBOROUGH	JACKSON	11	NEWFIELDS	5
KEENE 130 NEWPORT 60 KENSINGTON <5	JAFFREY	39	NEWINGTON	5
KENSINGTON <5 NEWTON 13 KINGSTON 29 NORTH HAMPTON 27 LACONIA 173 NORTHFIELD 47 LANCASTER 43 NORTHUMBERLAND 16 LANGDON <5	JEFFERSON	6	NEWMARKET	36
KINGSTON 29 NORTH HAMPTON 27 LACONIA 173 NORTHFIELD 47 LANCASTER 43 NORTHUMBERLAND 16 LANGDON <5	KEENE	130	NEWPORT	60
LACONIA 173 NORTHFIELD 47 LANCASTER 43 NORTHUMBERLAND 16 LANGDON <5	KENSINGTON	<5	NEWTON	13
LANCASTER 43 NORTHUMBERLAND 16 LANGDON <5	KINGSTON	29	NORTH HAMPTON	27
LANGDON <5 NORTHWOOD 32 LEBANON 81 NOTTINGHAM 29 LEE 29 ORANGE <5	LACONIA	173	NORTHFIELD	47
LEBANON 81 NOTTINGHAM 29 LEE 29 ORANGE <5	LANCASTER	43	NORTHUMBERLAND	16
LEE 29 ORANGE <5 LEMPSTER 13 ORFORD 7 LINCOLN 18 OSSIPEE 43 LISBON 8 PELHAM 43 LITCHFIELD 46 PEMBROKE 49 LITTLETON 24 PETERBOROUGH 50 LONDONDERRY 143 PIERMONT 7 LOUDON 42 PITTSBURG 7 LYMAN <5	LANGDON	<5	NORTHWOOD	32
LEMPSTER 13 ORFORD 7 LINCOLN 18 OSSIPEE 43 LISBON 8 PELHAM 43 LITCHFIELD 46 PEMBROKE 49 LITTLETON 24 PETERBOROUGH 50 LONDONDERRY 143 PIERMONT 7 LOUDON 42 PITTSBURG 7 LYMAN <5	LEBANON	81	NOTTINGHAM	29
LINCOLN18OSSIPEE43LISBON8PELHAM43LITCHFIELD46PEMBROKE49LITTLETON24PETERBOROUGH50LONDONDERRY143PIERMONT7LOUDON42PITTSBURG7LYMAN<5	LEE	29	ORANGE	<5
LISBON8PELHAM43LITCHFIELD46PEMBROKE49LITTLETON24PETERBOROUGH50LONDONDERRY143PIERMONT7LOUDON42PITTSBURG7LYMAN<5	LEMPSTER	13	ORFORD	7
LITCHFIELD46PEMBROKE49LITTLETON24PETERBOROUGH50LONDONDERRY143PIERMONT7LOUDON42PITTSBURG7LYMAN<5	LINCOLN	18	OSSIPEE	43
LITTLETON24PETERBOROUGH50LONDONDERRY143PIERMONT7LOUDON42PITTSBURG7LYMAN<5	LISBON	8	PELHAM	43
LONDONDERRY143PIERMONT7LOUDON42PITTSBURG7LYMAN<5	LITCHFIELD	46	PEMBROKE	49
LOUDON42PITTSBURG7LYMAN<5	LITTLETON	24	PETERBOROUGH	50
LYMAN<5PITTSFIELD28LYME10PLAINFIELD16LYNDEBOROUGH8PLAISTOW26MADBURY10PLYMOUTH41MADISON27PORTSMOUTH113MANCHESTER518RANDOLPH<5	LONDONDERRY	143	PIERMONT	7
LYME10PLAINFIELD16LYNDEBOROUGH8PLAISTOW26MADBURY10PLYMOUTH41MADISON27PORTSMOUTH113MANCHESTER518RANDOLPH<5	LOUDON	42	PITTSBURG	7
LYNDEBOROUGH8PLAISTOW26MADBURY10PLYMOUTH41MADISON27PORTSMOUTH113MANCHESTER518RANDOLPH<5	LYMAN	<5	PITTSFIELD	28
MADBURY10PLYMOUTH41MADISON27PORTSMOUTH113MANCHESTER518RANDOLPH<5	LYME	10	PLAINFIELD	16
MADISON27PORTSMOUTH113MANCHESTER518RANDOLPH<5	LYNDEBOROUGH	8	PLAISTOW	26
MANCHESTER518RANDOLPH<5MARLBOROUGH21RAYMOND74MARLOW5RICHMOND7	MADBURY	10	PLYMOUTH	41
MARLBOROUGH21RAYMOND74MARLOW5RICHMOND7	MADISON	27	PORTSMOUTH	113
MARLOW 5 RICHMOND 7	MANCHESTER	518	RANDOLPH	<5
	MARLBOROUGH	21	RAYMOND	74
MASON 5 RINDGE 24	MARLOW	5	RICHMOND	7
	MASON	5	RINDGE	24

Patients by City/Town (cont.)

City/Town	# of Patients
ROCHESTER	223
ROLLINSFORD	14
ROXBURY	<5
RUMNEY	20
RYE	21
SALEM	113
SALISBURY	20
SANBORNTON	26
SANDOWN	42
SANDWICH	17
SEABROOK	36
SHARON	<5
SHELBURNE	<5
SOMERSWORTH	88
SOUTH HAMPTON	<5
SPRINGFIELD	_
STARK	9 <5
STEWARTSTOWN	<5 9
STODDARD	_
STRAFFORD	8
	28
STRATFORD	11
STRATHAM	33
SUGAR HILL	5 7
SULLIVAN	·
SUNAPEE	27
SURRY	5
SUTTON	5
SWANZEY	46
TAMWORTH TEMPLE	32
. = = =	11
THORNTON	11
TILTON	40
TROY	17
TUFTONBORO	21
UNITY	<5
WAKEFIELD	37
WALPOLE	19
WARNER	14
WARREN	6
WASHINGTON	13
WATERVILLE VALLEY	<5
WEARE	54
WEBSTER	16
WENTWORTH	7
WESTMORELAND	10

City/Town	# of Patients
WHITEFIELD	19
WILMOT	15
WILTON	31
WINCHESTER	27
WINDHAM	48
WOLFEBORO	45
WOODSTOCK	15

TOTAL 8302



Qualifying Patients by Age

Age of Patient	# of Patients	Age of Patient	# of Pationts
3	1	54	201
5 7		55	201
10	1 1	56	209 247
11	1	57	251
12		58	244
	2		
14	3	59	284
15	1	60	282
16	1	61	250
17	4	62	280
18	1	63	238
19	10	64	220
20	18	65	227
21	16	66	196
22	32	67	198
23	31	68	187
24	41	69	183
25	41	70	159
26	44	71	136
27	49	72	119
28	55	73	109
29	62	74	77
30	67	75	58
31	78	76	96
32	87	77	54
33	86	78	56
34	99	79	31
35	102	80	41
36	96	81	32
37	114	82	28
38	101	83	29
39	93	84	26
40	123	85	23
41	116	86	17
42	125	87	17
43	114	88	13
44	129	89	11
45	116	90	11
46	151	91	7
47	153	93	4
48	171	94	3
49	167	95	3
50	177	97	1
51	162	98	4
52	203		TOTAL 8302
53	195		

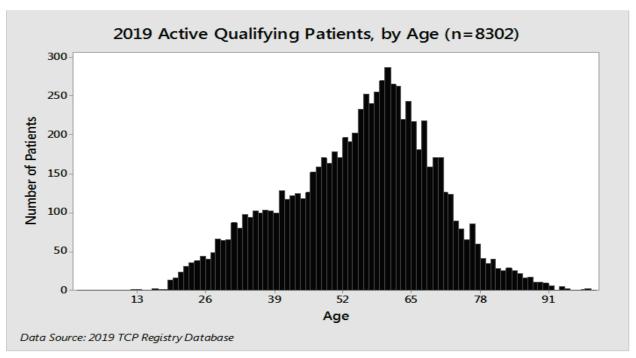


Table 2. Qualifying patients by age.

Designated Caregivers

# of	<u>Caregivers</u>
Active Designated Caregivers	480
Caregivers with 1 Qualifying Patient	467
Caregivers with 2–5 Qualifying Patients	13
Caregivers with 6 or more Qualifying Patie	nts 0

Designated Caregivers by NH County

County	# of Caregivers
Belknap	40
Carroll	26
Cheshire	24
Coos	14
Grafton	31
Hillsborough	134
Merrimack	65
Rockingham	97
Strafford	34
Sullivan	12

^{*}Three registered caregivers do not reside in NH.

Designated Caregivers by NH City/Town

<5	FARMINGTON	# of Caregivers
	FARIVIINGTON	<5
<5	FITZWILLIAM	<5
<5	FRANKLIN	<5
<5	FREEDOM	<5
5	FREMONT	<5
6	GILFORD	5
3	GILMANTON	<5
<5	GILSUM	<5
<5	GOFFSTOWN	<5
<5	GORHAM	<5
<5	GRAFTON	<5
<5	GREENFIELD	<5
<5	GREENLAND	<5
7	HAMPSTEAD	<5
<5	HAMPTON	5
<5	HANCOCK	<5
<5	HANOVER	<5
<5	HARRISVILLE	<5
<5	HAVERHILL	<5
<5	HILL	<5
<5	HILLSBOROUGH	<5
<5	HOLDERNESS	<5
5	HOLLIS	<5
<5	HOOKSETT	<5
6	HOPKINTON	<5
<5	HUDSON	6
<5	JAFFREY	<5
<5	JEFFERSON	<5
<5	KEENE	5
<5	KINGSTON	<5
<5	LACONIA	14
20	LANCASTER	<5
8	LEBANON	<5
<5	LEE	<5
<5	LINCOLN	<5
<5	LITCHFIELD	<5
7	LONDONDERRY	10
5	LOUDON	<5
<5	MADISON	<5
<5	MANCHESTER	39
<5	MARLBOROUGH	<5
<5	MARLOW	<5
<5	MASON	<5
<5	MEREDITH	5
		6
	<pre><5 5 6 3 5 5 6 3 5 5 5 6 3 5 5 5 6 5 5 6 5 7 5 5 6 5 7 5 7 5 7 5 7</pre>	<5

Caregivers by City/Town (cont.)

City/Town	# of Caregivers
MILAN	 <5
MILFORD	<5
MILTON	<5
MONROE	<5
MOULTONBOROUGH	<5
NASHUA	27
NELSON	<5
NEW BOSTON	<5
NEW DURHAM	<5
NEW HAMPTON	<5
NEW IPSWICH	<5
NEW LONDON	<5
NEWINGTON	<5
NEWMARKET	<5
NEWPORT	<5
NEWTON	<5
NORTH HAMPTON	<5
NORTHFIELD	6
NORTHUMBERLAND	<5
NORTHWOOD	<5
NOTTINGHAM	<5
OSSIPEE	<5
PELHAM	<5
PEMBROKE	<5
PETERBOROUGH	<5
PIERMONT	<5
PITTSBURG	<5
PITTSFIELD	<5 -
PLAISTOW	<5 -
PLYMOUTH	5
PORTSMOUTH	5
RAYMOND	<5
RINDGE	<5
ROCHESTER	9
RUMNEY	<5 .5
RYE	<5
SALEM	8
SANBORNTON	<5
SANDOWN	<5
SEABROOK SHELBURNE	<5
	<5
SOMERSWORTH	5
SPRINGFIELD	<5 <5
STRAFFORD	<5 <5
STRATHAM	<5

City/Town	# of Caregivers
SUNAPEE	<5
SURRY	<5
SWANZEY	<5
TEMPLE	<5
TILTON	<5
TUFTONBORO	<5
WAKEFIELD	<5
WARREN	<5
WASHINGTON	<5
WATERVILLE VALLEY	<5
WEARE	5
WEBSTER	<5
WHITEFIELD	<5
WILMOT	<5
WINDHAM	5
WOLFEBORO	<5

^{*}Three caregivers do not reside in NH. $$ TOTAL $$ 477*

Designated Caregivers by Age

esignateu	caregivers by
Age of Caregiver	# of Caregivers
22	1
23	1
24	1
25	2
27	1
28	2
29	2
30	3
31	4
32	3
34	4
35	4
36	7
37	9
38	3
39	4
40	6
41	4
42	3
43	3
44	8
45	5
46	2
47	8
48	8
49	6
50	17
51 52	11 16
53	4
54	15
55	18
56	14
57	18
58	16
59	12
60	14
61	18
62	15
63	18
64	11
65	14
66	16
67	12
68	20
	= -

Age of Caregiver	# of Caregivers
69	11
70	8
71	9
72	10
73	7
74	9
75	10
76	6
77	8
78	5
79	2
80	2
81	2
82	1
84	3
85	1
86	1
87	1
92	1
	TOTAL 400

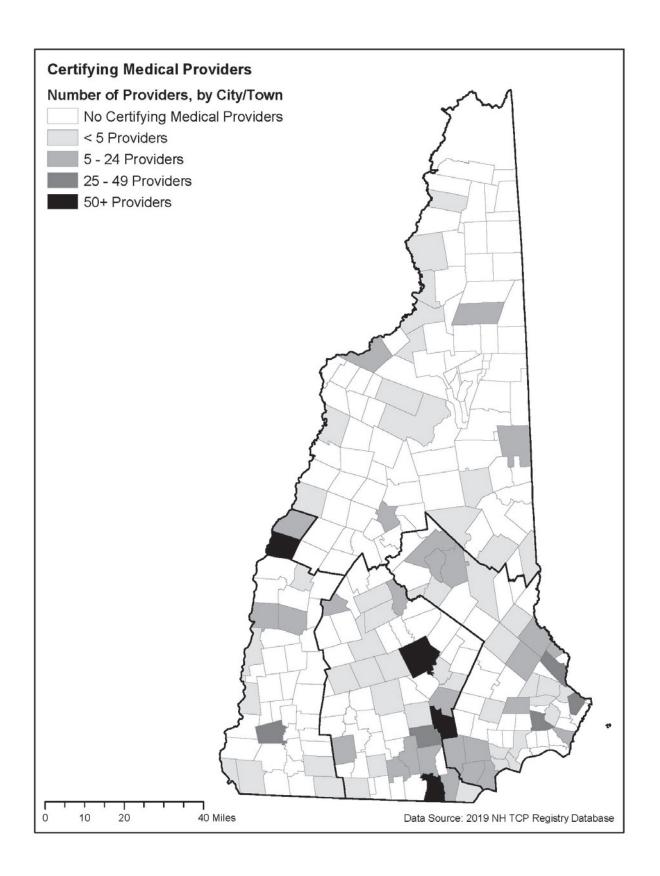
TOTAL 480

Certifying Medical Providers

Provider Type	# of Providers	# of Patients
APRN	277	2840
<u>Physician</u>	807	<u>5462</u>
	TOTAL 1084	8302

Provider Location by New Hampshire County

County	Provider Type	# of Providers
Belknap	APRN Physician	9 29 County TOTAL 38
Carroll	APRN Physician	, 13 20 County TOTAL 33
Cheshire	APRN Physician	18 33 County TOTAL 53
Coos	APRN Physician	9 9 County TOTAL 18
Grafton	APRN Physician	31 143 County TOTAL 174
Hillsborough	APRN Physician	58 184 County TOTAL 242
Merrimack	APRN Physician	37 90 County TOTAL 127
Rockingham	APRN Physician	42 124 County TOTAL 166
Strafford	APRN Physician	29 60 County TOTAL 89
Sullivan	APRN Physician	9 11 County TOTAL 20
		TOTAL 960



Out-of-State Providers

State	Provider Type	# of Provi	<u>ders</u>
Mass			
	APRN		11
	Physician		77
		State TOTAL	88
Maine			
	APRN		5
	Physician		8
		State TOTAL	13
Vermont			
	APRN		6
	Physician		17
		State TOTAL	23
		TOTAL	124

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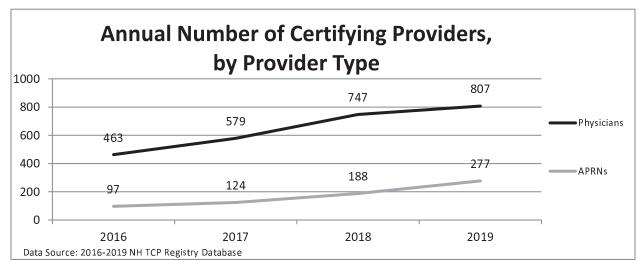


Table 3. Annual number of certifying providers, by provider type (combined in-state and out-of-state).

Physicians by Specialty

Physician Specialty	# of Physicians
Addiction Medicine	2
Anesthesiology	5
Cardiac Electrophysiology	1
Clinical Pathology	1
Emergency Medicine	1
Family Practice/Family Medicine	298
Gastroenterology	21
General Practice	4
General Surgery	3
Geriatric Medicine – FP	2
Geriatric Medicine – IM	3
Geriatric Psychiatry	2
Gynecological Oncology	3
Gynecology	1
Head & Neck Surgery	1
Hematology	12
Hematology – Oncology	31
Infectious Disease	7
Internal Medicine	188
Maternal & Fetal Medicine	1
Medical Oncology	21
Musculoskeletal Oncology	1
Neurodevelopmental Disabilities – Neurology	2
Neurological Surgery	1 52
Neurology	2
Obstetrics & Gynecology Occupational Medicine	1
Occupational Medicine Ophthalmology	7
Orthopedic Surgery	14
Pain Management	24
Pain Medicine	3
Palliative Medicine	5
Pediatric Surgery – Neurological PCC	1
Pediatrics	13
Physical Medicine & Rehabilitation PS	6
Psychiatry	25
Radiation Oncology	3
Rheumatology	27
Sleep Medicine	1
Spine Surgery	1
Surgical Critical Care	1
Thoracic Surgery	1
Urology	7
Vascular Medicine	1

Number of Patients per Provider

ambei	OI I at	iciits pei i i
Patients pe	r Provider	# of Providers
1		341
2		177
3		89
4		58
5		65
6		46
7		53
8		41
9		24
10		16
11		18
12		15
13		20
14		9
15		15
16		7
17		7
18		5
19		6
20		7
21		6
22		3
23		2
24		3
25		4
26		3
27		1
28		1
29		2
30		2
31		2
32		2
33		3
35		1
36		1
39		2
42		2
43		1
44		1
45		1
46		1
48		2

Patients per Provider	# of Providers
53	1
59	1
64	1
69	1
77	1
80	1
85	1
89	1
95	1
97	1
100	1
102	1
105	1
113	1
116	1
163	1
236	1
252	1
520	1

Qualifying Medical Conditions

Qualifying Medical Condition	# of Patients
Acquired immune deficiency syndrome	32
Alzheimer's disease	23
Amyotrophic lateral sclerosis	17
Cancer	756
Chronic pancreatitis	49
Crohn's disease	161
Ehlers-Danlos syndrome	67
Epilepsy	180
Glaucoma	96
Hepatitis C	33
Lupus	73
Moderate to severe post-traumatic stress disorder	881
Moderate to severe chronic pain	3639
Multiple sclerosis	376
Muscular dystrophy	27
One or more injuries or conditions that has resulted in qualifying symptoms	one or more 1773
Parkinson's disease	145
Positive status for human immunodeficiency virus	23
Severe pain that has not responded to treatment	1508
Spinal cord injury or disease	1089
Traumatic brain injury	166
Ulcerative colitis	71
to: Patients may be certified for more than one qualifying medical condition	

Note: Patients may be certified for more than one qualifying medical condition.

Symptoms/Side Effects

Symptom/Side Effect	# of Patients
Agitation of Alzheimer's disease	26
Cachexia	212
Chemotherapy-induced anorexia	198
Constant or severe nausea	569
Elevated intraocular pressure	87
Moderate to severe vomiting	118
Seizures	232
Severe pain that has not responded to treatment	3262
Severe, persistent muscle spasms	1382
Wasting syndrome	72

Note: Patients may be certified for more than one qualifying symptom.

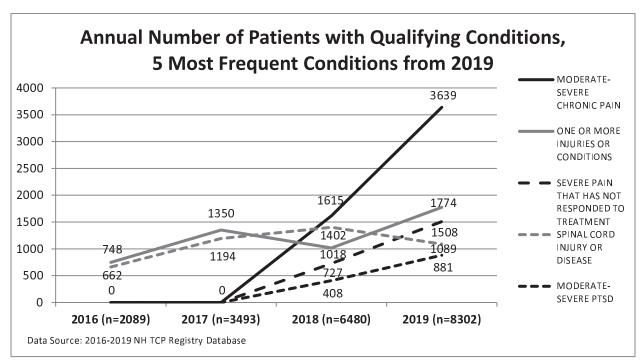


Table 4. Annual number of patients with most frequent qualifying medical conditions in 2019.

Alternative Treatment Center Annual Reports Summary

The data presented in this section is a summary of the ATC Annual Reports submitted to the Department pursuant to He-C 402.10(q), showing data from July 1, 2018 to June 30, 2019.

Qualifying Patients Served

ATC	Patients Served
Prime	3,254
Sanctuary	2,054
Temescal – Dover	1,802
Temescal – Lebanon	941

Strains of Cannabis Dispensed

ATC	Strains of Cannabis Dispensed
Prime	31
Sanctuary	36
Temescal	16

Forms of Prepared Cannabis Dispensed

ATC	Forms of Prepared Cannabis Dispensed			
Prime	 Cannabis flower Capsules Concentrates Edibles Oral Syringes Pre-rolled joints 	SuppositoriesTincturesTopicalsTransdermal PatchesVaporizer Cartridges		
Sanctuary	 Cannabis flower Capsules Concentrates (shatter, sauce, diamonds, hash, bubble hash, kief) Edibles (brownies, chocolate bars, cookies, fruit chews, infused beverages, lozenges, peanut butter cups) 	 Pre-rolled joints Suppositories Tinctures Topicals (massage oil, salves, transdermal gel) Transdermal patches Vaporizer cartridges 		
Temescal	 Cannabis flower Capsules Concentrates (bubble hash, cold brew concentrate, rosin) Edibles (chocolate bars, cookies, fruit chews, honey sticks, coconut butter, lozenges) 	 Topical salve 		

Effectiveness of Cannabis

ATC	Patients Providing Effectiveness Responses (% of Total Patients)	Effectiveness
Prime	493 (15%)	Positive: 72%
		Neutral: 26%
		Negative: 3%
Sanctuary	331 (16%)	Positive: 98%
		Neutral: 1%
		Negative: 1%
Temescal – Dover	46 (3%)	Positive: 98%
		Neutral: 2%
		Negative: 0%
Temescal – Lebanon	28 (3%)	Positive: 89%
		Neutral: 0%
		Negative: 0%

Education Efforts for Qualifying Patients and Designated Caregivers

Education Methods	Education Topics
<u>Prime</u>	Prime
Paper handouts	Dosage instructions
Patient consultation (initial and ongoing)	Edible recipe instructions (baked goods,
Patient education handbook	capsules, tinctures)
Email newsletters	Strains of cannabis
Website and social media	Routes of administration (including onset and
Product labeling	duration of effects)
Patient data tracking	Titration process (finding optimal dosage)
In-store education	Cannabinoids and terpenes
• Independent support group education (outside	Side effects (and strategies to avoid or
of Prime ATC)	minimize adverse side effects)
Support group education (inside of Prime ATC)	Potential drug interactions
 Third-party informational sessions 	Cannabis abuse disorder (dependence)
New patient orientation	Child safety
Complimentary wellness education	Avoiding operating a vehicle or heavy
	machinery (if impairment occurs)
	Alternative complimentary therapies
Sanctuary	Sanctuary
 Patient consultations (initial & ongoing) 	Strains of cannabis
Patient outreach	Routes of administration and potential effects
Educational literature	Cannabinoids and terpenes
Patient handbook	Dosing information for different routes of
Email newsletter	administration
Website	Cannabis preparation and uses
Patient data tracking	Laws and responsible use
Product labeling	Side effects and strategies to minimize adverse
Educational group classes for patients and	effects
caregivers	Cannabis use disorder
	Tolerance, dependence, and withdrawal

Education Methods	Education Topics
Sanctuary (continued)	 Substance abuse signs and symptoms Referral information to substance abuse treatment programs Growing methods and product testing Child safety tips Safe transport and storage Preventing diversion Program rules and laws Preparation of cannabis infused products Classes on how to make your own edibles and how to use different preparations of cannabis
Temescal Patient outreach Patient consultations (initial and ongoing) Patient educational handbook Email newsletters Website and social media Patient data tracking Product labeling In-store handouts	Temescal What are cannabinoids? (cannabis science) Introduction to terpenoids Cannabis categories and classifications Delivery methods (onset and duration) Proper dosing Vaping vs. smoking Product descriptions References for clinical journal articles and pertinent organizations and sources Patient strain and product logs Using cannabis safely Potential side effects Information on addiction Child safety tips Preventing youth use Laws and responsible use/storage Substance misuse signs and symptoms Testing limitations

Patient Affordability Programs

ATC	Affordability Program Elements	Patients Enrolled	Total
		(% of Total Patients)	Discount
Prime	Financial Hardship (including SSI,	Financial Hardship: 213 (6%)	\$245,267
	SSDI, Medicaid, and Low Income),	Veterans: 242 (7%)	
	Veterans, Seniors (65+)	Seniors: 311 (9%)	
	All categories are eligible for 10%		
	discount on all purchases, all the time,		
	including accessories and ancillary products		
Sanctuary	SSI/SSDI: 35% discount on up to ¼	SSDI/SSI: 907 (44%)	\$402,906
	ounce of cannabis every 10 days	Medicaid: 172 (8%)	
	Medicaid: 30% discount on up to ¼	Veterans: 251 (12%)	
	ounce of cannabis every 10 days		
	Veteran: 10% discount on total		
	purchase		
Temescal –	SSI/SSDI/Medicaid/Low-Income: 15%	SSI/SSDI/Medicaid/Low-	\$363,383
Dover	discount all purchases of cannabis or	Income: 1,185 (70%)	
	accessories.	Veterans: 260 (15%)	
	Veterans: 22% discount all purchases		
	of cannabis or accessories.		
	These discounts can be used every		
	visit, every day for qualifying patients		
Temescal –	Same as above.	SSI/SSDI/Medicaid/Low-	\$223,270
Lebanon		Income: 499 (53%)	
		Veterans: 82 (9%)	

Patient Complaints Received by ATCs

•	N. Co. L.
ATC	Nature of Complaint
Prime	 Pricing for cannabis flower and CIP products should be lowered
	 Increased discount for patients enrolled in hardship program
	Increased variety of cannabis flower
	More consistent variety of cannabis flower
	 Increased THC content in cannabis flower
	Increased variety of CIP products
	 Increased THC milligram concentration in CIP products per serving
	Increased CBD-rich offerings
	 Additional ATC location for more convenience (reduced driving)
	Expanded operating hours
Sanctuary	N/A
Temescal	Complaints persist regarding the reported difficulty and redundancy of the
	yearly renewal process for a registry ID card, especially from those with
	chronic conditions or terminal illnesses
	Patients continually ask why they cannot visit more than one ATC at one time
	Pricing has been a common complaint since opening. Patients look at other
	legal markets and wonder why NH is so expensive

ATC Recommendations for Program Improvement

ATC	Recommendations for Program Improvement
Prime	Therapeutic Cannabis Program sponsored educational events for medical providers and prospective patients
	State sanctioned program awareness notifications and outreach
	Monthly meetings or conference calls with ATC stakeholders to discuss
	potential rule or regulatory changes / updates, and to discuss ways to
	improve the program as a group
Sanctuary	Adding a virtual gateway for medical providers and patients to help streamline the process of applying to the NH Therapeutic Cannabis Program Continue to expand the list of qualifying medical conditions and symptoms.
	 Continue to expand the list of qualifying medical conditions and symptoms Allow patients to visit any ATC in NH
	 Remove the 3-month waiting period for new, qualifying patients*
	 Change the 2-ounce limit for patients that need higher doses or who live far away
	Eliminate the non-profit requirement, which significantly constrains ATCs'
Temescal	 Streamline the patient application process, eliminating the all-paper process and requirement that applicants submit a photo on a CD-ROM* Allow patients who live beyond a certain distance or travel time to obtain more than 2 ounces in a 10-day period. Eliminate the non-profit requirement, which significantly constrains ATCs' cash flow, programmatic reinvestment, and overall financial management. The non-profit requirement prevents businesses from exchanging equity for investment as a for-profit entity is allowed to do. Instead, ATCs are limited to taking loans, which creates debt-service, akin to a home mortgage. The loan is repaid each month, at a set amount, regardless of economic conditions. Whereas in the case of a for-profit business, equity is granted for a specific dollar investment and monthly loan payments do not exist, which is why equity is considered "patient." The current structure limits the ATCs' ability to make timely investments in the business (e.g., equipment, technology, people, and patient discounts). If ATCs were not constrained by these "non-profit shackles," Temescal Wellness would have been able to have an even more robust product offering for patients, deeper patient discounts, lower prices, and a larger employee base to accelerate product
	innovation. We believe that modifying this structure will allow more
	patients to be served and benefit from the use of therapeutic cannabis.
	patients to be believed and believe the description of the description

^{*}Note: <u>SB 88</u>, from the 2019 Legislative Session, removed the requirements for a 3-month provider-patient relationship and for a photo to be submitted as part of the application process.

Charitable Activities

ATC Efforts/Activities that Contribute to the ATC's Mission as a Charitab		
	to Benefit Qualifying Patients	
Prime	Prime ATC strives daily to provide the best care and service to its patient base and the community that surrounds it. The decisions made are intended to benefit Qualifying Patients, and to improve the quality of life that patients can find from incorporating therapeutic cannabis. We take pride in the cleanliness of the facility that is available to patients and want our facility to feel as comfortable and safe as any other upstanding business establishment our Qualifying Patients might frequent. We are advocates for the health of our Qualifying Patients and provide education and classes that speak to complementary therapies, which could assist in symptom management and improved quality of life. All the products we make available to Qualifying Patients continues to be tested prior to packaging or further processing so we can ensure it is safe for consumption and usage. Our education platform is robust and provides above and beyond information to our Qualifying Patients so that the products we make available can be used safely and responsibly, by all Qualifying Patients. Our goal is to aid Qualifying Patients in finding the maximum benefit at the lowest dosage so that cost can remain low, but the efficacy remains. Prime ATC spends a significant amount of time upfront with each Qualifying Patient to provide a well-rounded and robust education platform, so they fully understand how to best incorporate the available products and find their optimal dosage. We follow-up with Qualifying Patients and continue to provide education and guidance until they have found the intended benefit and will stick with them until successful, or until they decide to not include Cannabis any longer. Over the next year, we will be expanding our cultivation footprint so we can increase the supply and variety available to Qualifying Patients. With our ability to take advantage of economy of scale, we also anticipate having the ability to adjust our pricing and lower the cost of certain products. We have confidence that these efforts will	
Sanctuary	mission and increase the benefits currently available to Qualifying Patients.	
Sanctuary	 Ongoing food drives to benefit local non-profits Monetary Donations to patients participating in fundraising activities (Lupus Walk, Crohn's Charity, etc.) Winnipesaukee Playhouse Greater Tilton Area Family Resource Center Patient assistance program 	
Temescal	 Making charitable donations to local non-profit Staff volunteering at local non-profit Collecting donations through a drive at the ATC to involve patients Collecting donations in store for local non-profit 	
	Temescal Wellness, Inc. is heavily involved with Hero Pups, a local non-profit that trains and matches service dogs with veterans and first responders.	

Qualifying Patient Satisfaction Survey Results

1. Which ATC facility are you registered with?

	Responses	Participation Rate*
Prime ATC - Merrimack	286	12.33%
Sanctuary ATC - Plymouth	210	13.05%
Temescal Wellness – Dover	432	27.39%
Temescal Wellness – Lebanon	346	38.57%
Total	1,274	19.9%

^{*}Note: Participation rate based on the number of patients served at each ATC, as reported by the ATCs on page 20.

2. How would you rate the process of registering for the Therapeutic Cannabis Program with DHHS?

1 (Very Easy)	2	3	4	5 (Very Difficult)
459 (36.03%)	306 (24.02%)	314 (24.65%)	128 (10.05%)	67 (5.26%)

3. How would you rate the convenience of the ATC's days and hours of operation?

1 (Very Convenient)	2	3	4	5 (Very Inconvenient)
691 (54.24%)	347 (27.24%)	164 (12.87%)	38 (2.98%)	34 (2.67%)

4. How would you rate the current selection of the therapeutic cannabis products available?

1 (Sufficient)	2	3	4	5 (Not Sufficient)
644 (50.55%)	279 (21.90%)	214 (16.80%)	87 (6.83%)	50 (3.92%)

5. How would you rate the customer service of the ATC overall?

1 (Excellent)	2	3	4	5 (Very Poor)
1,162 (91.21%)	81 (6.36%)	22 (1.73%)	9 (0.71%)	0 (0.00%)

6. How would you rate the quality of guidance provided by the ATC? (e.g., recommending dosage, routes of administration, strain, etc.)

1 (Very Helpful)	2	3	4	5 (Not Very Helpful)
1,2025 (80.46%)	170 (13.34%)	68 (5.34%)	7 (0.55%)	4 (0.31%)

7. How knowledgeable is the staff at the ATC?

1 (Very Knowledgeable)	2	3	4	5 (Not Knowledgeable)
1,066 (83.67%)	158 (12.40%)	42 (3.30%)	7 (0.55%)	1 (0.08%)

8. Has your wellness and quality of life improved since becoming a patient of the ATC?

1 (Very Much)	2	3	4	5 (Not At All)
809 (63.50%)	317 (24.88%)	121 (9.50%)	20 (1.57%)	7 (0.55%)

9. Have you been able to reduce the amount of prescription medication you take since becoming a patient of the ATC?

Yes, all prescriptions	Yes, most prescriptions	Yes, some prescriptions	No prescriptions
205 (16.09%)	360 (28.26%)	511 (40.11%)	198 (15.54%)

10. How would you rate the ATC overall?

1 (Excellent)	2	3	4	5 (Not Good)
941 (73.86%)	251 (19.70%)	70 (5.49%)	11 0.86%)	1 (0.08%)

11. NH Legislation may permit qualifying patients and designated caregivers to grow and cultivate cannabis for therapeutic use, as of October 1, 2019. How likely are you, or your caregiver, to grow cannabis for your own use?*

1 (Definitely Won't)	2 (Not Likely)	3 (Might)	4 (Likely)	5 (Definitely Will)
154 (12.09%)	243 (19.07%)	374 (29.36%)	208 (16.33%)	295 (23.16%)

^{*}Note: HB 364 was vetoed by the Governor and a veto override by the NH Legislature was not successful.

12. If you are interested in growing cannabis for your own use, will you: [Note: can select more than one option]

Question	Patients Responding
Grow it yourself?	634 (49.76%)
Ask your designated caregiver to grow it for you?	71 (5.57%)
Reduce the amount of cannabis purchased at your ATC?	203 (15.93%)
Continue to purchase cannabis infused products (e.g. edibles, tinctures, topicals, etc.) at the ATC?	567 (44.51%)
Need access to seeds or seedlings?	538 (42.23%)
I am NOT interested in growing cannabis for therapeutic use.	297 (23.31%)

13. Would you recommend the Therapeutic Cannabis Program to others?

1 (Yes)	2 (No)
1,260 (98.90%)	14 (1.10%)

14. In what areas would you like to see improvement with the Therapeutic Cannabis Program?

Area of Improvement	Patients Commenting on Area of Improvement
1.Cost of product	1,090 (85.56%)
2.Dispensary locations	490 (38.46%)
3.Strain availability	423 (33.20%)
4.Public education	378 (29.67%)
5.Product availability	353 (27.71%)
6.Qualifying medical conditions	236 (18.52%)
7.Program registration process	235 (18.45%)
8. Hours of operation	223 (17.50%)
9.Other issues	63 (4.95%)
10.Dispensary staff knowledge	36 (2.83%)

Addendum <u>Alternative Treatment Center Expansion Reports</u> (HB 335, Laws of 2019)

Region 1 – Belknap, Rockingham, and Strafford Counties Region 2 – Hillsborough and Merrimack Counties

NH Department of Health and Human Services Division of Public Health Services – Therapeutic Cannabis Program Region 1 ATC Expansion – Dispensary Location Analysis September 2019

Introduction

This analysis supports the Therapeutic Cannabis Program's (TCP) patient needs assessment required by NH House Bill 335 (Laws of 2019) for the approval of a second dispensary location to be operated by Temescal Wellness, the licensed alternative treatment center (ATC) serving qualifying patients in NH TCP Region 1. Temescal operates its regional ATC in Dover, NH in Strafford County. All results in this analysis are relative to TCP patients as of June 30, 2019.

Current State

Region 1 is comprised of three New Hampshire counties (Belknap, Rockingham, and Strafford counties) and is not as rural as NH TCP Regions 3 and 4. There are 2,941 registered qualifying patients residing in 77 municipalities in this region. There are 1,587 patients residing in Region 1 (54.0% of the regional TCP population) who have designated Temescal Dover as their ATC for dispensing therapeutic cannabis.

Based on the Department's analysis, 684 (43.1%) Temescal patients from Region 1 (n=1,587) experience a travel burden:

- 240 (15.1%) patients experience a *significant travel burden*, defined as *both* more than 25 miles in travel distance and more than 30 minutes in travel time from their town center *each way* to Dover; and
- 444 (28.0%) patients experience a *limited travel burden*, defined as *either* more than 25 miles in travel distance *or* more than 30 minutes in travel time from their town center *each way* to Dover.

HB 335 authorizes the Department to allow a second dispensary location (satellite dispensary) to be established in Region 1. DHHS has determined that the travel burden on patients has created a need for an additional location for the dispensing of therapeutic cannabis to patients in the region.

Analysis

To assess whether a satellite dispensary would relieve travel burden for qualifying patients, DHHS analyzed geographic access to potential satellite dispensaries in four communities in Region 1 (Alton, Laconia, Salem, and Seabrook). Other factors impacting access also exist, including provider certification and out-of-pocket expenses, but these are not assessed here. Results were determined by finding the drive time and distance from each patient's town to Dover, and then to the proposed satellite location (using community centers rather than individual addresses), and then estimating changes in patient travel burden with the addition of a satellite dispensary.

Results

Table 1 estimates the relative effectiveness of each satellite location on relieving patient travel burden.

Satellite Location	Patients not experiencing a travel burden	Patients still experiencing a significant travel burden	Patients <i>still experiencing</i> a limited travel burden
Seabrook	75.5% (1,198)	6.4% (101)	18.1% (288)
Salem	66.3% (1,052)	6.7% (107)	27.0% (428)
Alton	67.0% (1,063)	10.8% (171)	22.2% (353)
Laconia	57.8% (917)	11.8% (187)	30.4% (483)

Table 1: Impact estimates of satellite locations on the travel burden for Temescal patients from Region 1 (n=1,587).

Results (continued)

- Laconia and Salem have the greatest potential to relieve the travel burden of TCP patients living in Region 1.
- The Laconia location has the potential to deliver the greatest total savings to patients living in Region 1, by reducing the time travelled (Figure 1) and miles driven (Figure 2) to access their designated ATC.
- The majority of savings with Laconia would come from Region 1 patients residing in Belknap County who currently utilize the Region 4 ATC located in Plymouth, but who would likely switch to Laconia to reduce their travel burden.
- Likewise, the majority of savings with Salem would come from Region 1 patients residing in Rockingham County who currently utilize the Region 2 ATC located in Merrimack, but who would likely switch to more proximal Salem.
- If the analysis removes the assumption that patients will switch from Merrimack or Plymouth, the Seabrook location offers Region 1 Temescal patients the greatest reduction in significant travel burden (time travelled and miles driven), and the greatest overall reduction in travel burden (Figure 3).

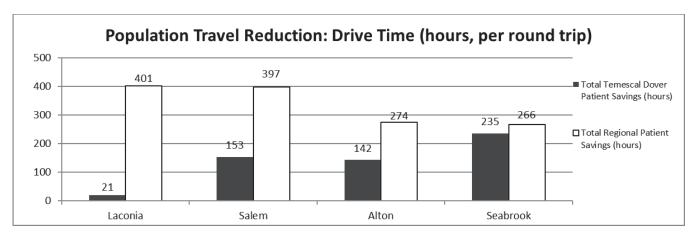


Figure 1: Reductions in per-trip patient drive time associated with each satellite location. Grey bar shows savings for Region 1 patients registered with Temescal Dover. White bar shows savings for all Region 1 patients registered with Temescal Dover or with other ATCs outside Region 1.

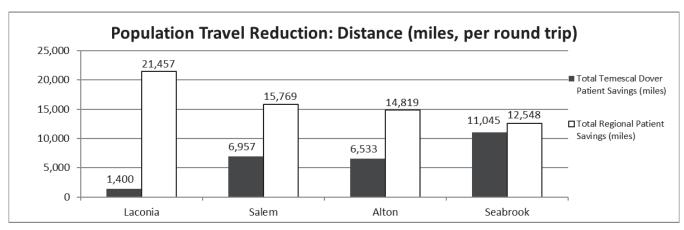


Figure 2: Reductions in per-trip patient miles driven associated with each satellite location. Grey bar shows savings for Region 1 patients registered with Temescal Dover. White bar shows savings for all Region 1 patients registered with Temescal Dover or with other ATCs outside Region 1.

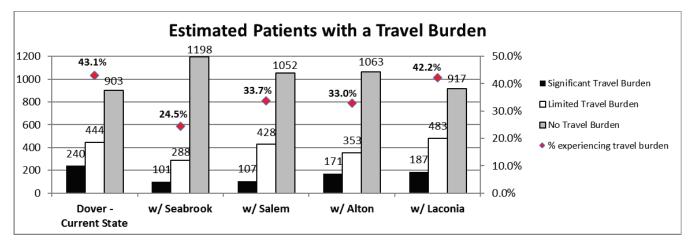


Figure 3: Region 1 Temescal Dover patients experiencing a travel burden to Dover, and changes realized with the addition of the satellite location.

This analysis also used geospatial data to estimate the **current travel burden** in hours and distance travelled *per round trip* by the Region 1 Temescal Dover patient population, and compared it to the **future state travel burden** associated with each of the satellite locations (Figures 4 and 5). **Seabrook results in the fewest hours and miles driven** by the Region 1 patient population currently utilizing Temescal Dover, saving 235 hours and 11,045 miles per round trip.

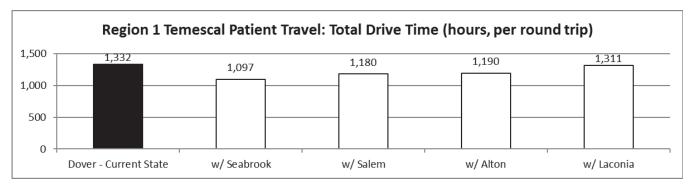


Figure 4: Future state patient hours spent driving per round trip; each satellite location relative to Dover.

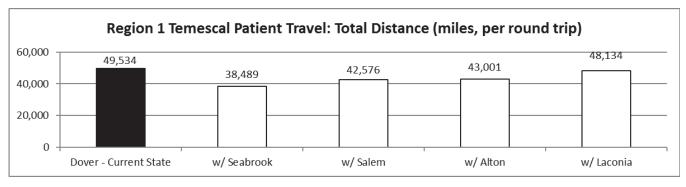


Figure 5: Future state patient miles driven per round trip; each satellite location relative to Dover.

Additional Considerations

All satellite location options considered in this analysis offer significant improvement for relieving Region 1 patients' travel burden. None of the locations, however, completely relieves the travel burden for all patients in the region (see Table 1). This is in part due to the adjustment of the definition of "travel burden" for patients in less rural counties. Despite the potential for Laconia or Salem locations to relieve regional travel burden, these locations would do little to relieve the burden for Region 1 Temescal patients, the majority of whom do not have a reasonable choice among ATCs. A satellite dispensary located in Seabrook likely would have the greatest benefit to these Region 1 Temescal patients, and it would also have the least negative impact on existing ATCs with regard to patients transferring to a closer ATC.

NH Department of Health and Human Services Division of Public Health Services – Therapeutic Cannabis Program Region 2 ATC Expansion – Dispensary Location Analysis September 2019

Introduction

This analysis supports the Therapeutic Cannabis Program's (TCP) patient needs assessment required by NH House Bill 335 (Laws of 2019) for the approval of a second dispensary location to be operated by Prime ATC, the licensed alternative treatment center (ATC) serving qualifying patients in NH TCP Region 2. Prime operates its regional ATC in Merrimack, NH in Merrimack County. All results in this analysis are relative to TCP patients as of June 30, 2019.

Current State

Region 2 is comprised of two New Hampshire counties (Hillsborough and Merrimack counties) and is not as rural as NH TCP Regions 3 and 4. There are 3,057 registered qualifying patients residing in 65 municipalities in this region. There are 2,281 patients residing in Region 2 (74.6% of the regional TCP population) who have designated Prime ATC as their ATC for dispensing therapeutic cannabis.

Based on the Department's analysis, 695 (30.5%) Prime patients from Region 2 (n=2,281) experience a travel burden:

- 475 (20.8%) patients experience a *significant travel burden*, defined as *both* more than 25 miles in travel distance and more than 30 minutes in travel time *each way* from their town center to Merrimack; and
- 220 (9.6%) patients experience a *limited travel burden*, defined as *either* more than 25 miles in travel distance *or* more than 30 minutes in travel time *each way* from their town center to Merrimack.

HB 355 authorizes the Department to allow a second dispensary location (satellite dispensary) to be established in Region 2. DHHS has determined that the travel burden on patients has created a need for an additional location for the dispensing of therapeutic cannabis to patients in the region.

Analysis

To assess whether a satellite dispensary would relieve travel burden for qualifying patients, DHHS analyzed geographic access to potential satellite dispensaries in four communities in Region 2 (Concord, Warner, Hillsborough, and Franklin). Other factors impacting access also exist, including provider certification and out-of-pocket expenses, but these are not assessed here. Results were determined by finding the drive time and distance from each patient's town to Merrimack, and then to the proposed satellite location (using community centers rather than individual addresses), and then estimating changes in patient travel burden with the addition of a satellite dispensary.

Results

Table 1 estimates the relative effectiveness of each satellite location on relieving patient travel burden.

Satellite Location	Patients not experiencing a travel burden	Patients <i>still experiencing</i> a significant travel burden	Patients <i>still experiencing</i> a limited travel burden
Concord	85.8% (658)	6.6% (32)	7.7% (83)
Warner	74.9% (648)	8.1% (85)	17.0% (40)
Hillsborough	79.4% (602)	12.0% (39)	8.6% (132)
Franklin	77.3% (501)	12.1% (184)	10.7% (88)

Table 1: Impact estimates of satellite locations on the travel burden for Prime patients from Region 2 (n=2,281).

Results (continued)

- Concord has the greatest potential to relieve the travel burden of TCP patients living in Region 2.
- The Concord location also has the potential to deliver the greatest total savings to patients living in Region 2, by reducing the time travelled (Figure 1) and miles driven (Figure 2) to access their designated ATC.
- A Concord satellite location would reduce travel for a number of cities and towns north of Manchester that have larger patient populations and would be more proximal to the satellite.
- A majority of savings with a Concord satellite would come from Region 2 patients residing in Merrimack County who currently utilize the ATC in Region 3, located in Lebanon, or the ATC in Region 4, located in Plymouth, who would likely switch to more proximal Concord.
- If the analysis removes the assumption that patients will switch from Lebanon and Plymouth, **the Concord location still offers Region 2 Prime patients the greatest reduction in significant travel burden** (time travelled and miles driven), and the greatest overall reduction in travel burden (Figure 3).

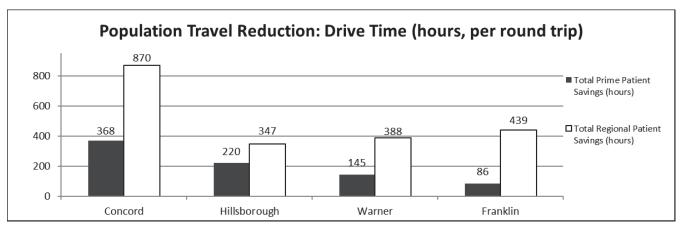


Figure 1: Reductions in per-trip patient drive time associated with each satellite location. Grey bar shows savings for Region 2 patients registered with Prime ATC. White bar shows savings for all Region 2 patients registered with Prime ATC or with other ATCs outside Region 2.

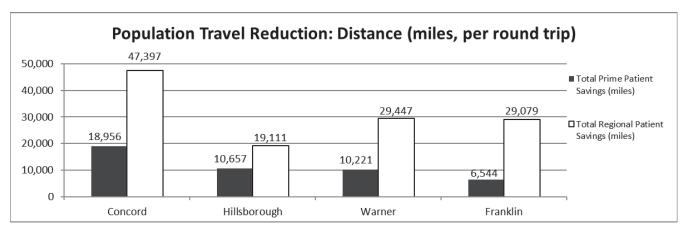


Figure 2: Reductions in per-trip patient miles driven associated with each satellite location. Grey bar shows savings for Region 2 patients registered with Prime ATC. White bar shows savings for all Region 2 patients registered with Prime ATC or with other ATCs outside Region 2.

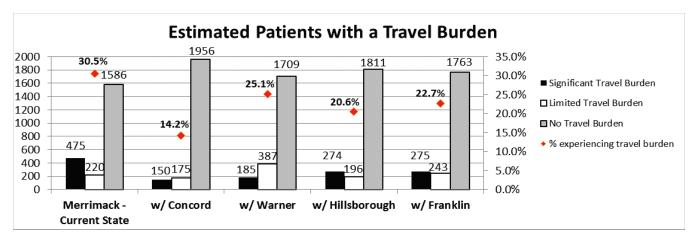


Figure 3: Region 2 Prime patients experiencing a travel burden to Merrimack, and changes realized with the addition of the satellite location.

This analysis also used geospatial data to estimate the **current travel burden** in hours and distance travelled *per round trip* by the Region 2 Prime ATC patient population, and compared it to the **future state travel burden** associated with each of the satellite locations (Figures 4 and 5). **Concord results in the fewest hours and miles driven** by the Region 2 patient population currently utilizing Prime ATC.

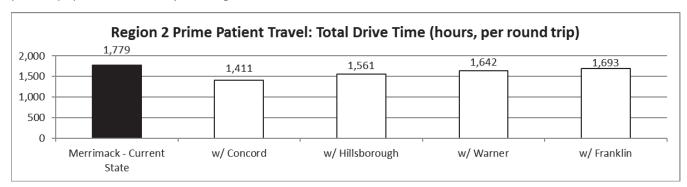


Figure 4: Future state patient hours spent driving per round trip; each satellite location relative to Merrimack.

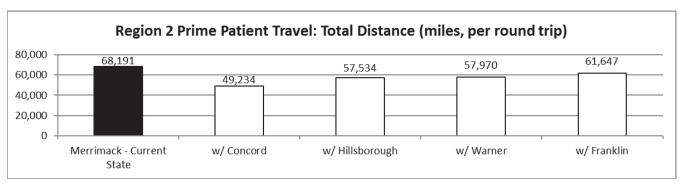


Figure 5: Future state patient miles driven per round trip; each satellite location relative to Merrimack.

Additional Considerations

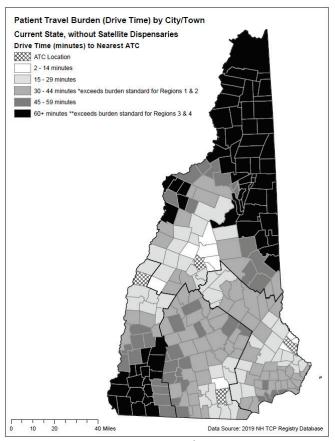
The satellite location options considered in this analysis offer varying degrees of improvement for relieving Region 2 patients' travel burden. None of the locations, however, completely relieves the travel burden for all patients in the region (see Table 1). This is in part due to the adjustment of the definition of "travel burden" for patients in less rural counties, where the communities with patients still experiencing a significant travel burden are close to the rural Sullivan and Cheshire counties. A satellite dispensary located in Concord would have a more significant negative impact on the ATC in Plymouth, with regard to reducing their registered patient populations; however, many of these patients currently face a significant travel burden to access this ATC, which would be eliminated with Concord location.

ATC Expansion

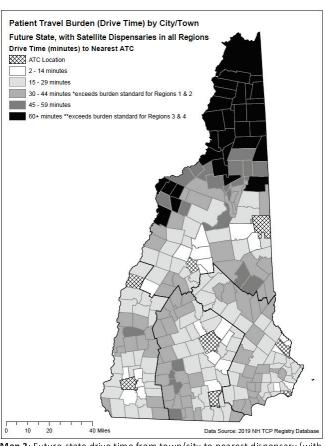
Current State vs. Future State Comparison

Satellite dispensaries located in the towns of Seabrook (Region 1), Concord (Region 2), Keene (Region 3), and Conway (Region 4)* will potentially result in the following improvements for patient access to an alternative treatment center for dispensing therapeutic cannabis:

- Travel burden (as defined in the 2018 DHHS Therapeutic Cannabis Program Data Report, ATC Expansion Reports) is completely eliminated in Region 3.
- Travel burden (as defined in the reports above, and the 2018 DHHS Therapeutic Cannabis Program Data Report, ATC Expansion Reports) is significantly relieved in Regions 1, 2, and 4.
- Drive time reduction, per round trip, for New Hampshire Therapeutic Cannabis Program patients in all four TCP Regions is estimated to be up to 1,349 hours.
- Mileage reduction, per round trip, for New Hampshire Therapeutic Cannabis Program patients in all four TCP Regions is estimated to be up to 70,936 miles.



Map 1: Current-state drive time from town/city to nearest dispensary (without satellite dispensaries).



Map 2: Future-state drive time from town/city to nearest dispensary (with satellite dispensaries in Seabrook, Concord, Keene, and Conway).

^{*}Note: Sanctuary ATC opened a satellite dispensary in Conway, NH on July 6, 2019.